BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Maintenance of Footpath and Ward Emergency Works in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.**

							Estimate Cost:		1500000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 141 / Item No. 19.1 / PWD SR 2014-16**	Cum							
	Desilting of Drains								
			2	130.00	0.45	0.35	40.95		
			2	50.00	0.45	0.35	15.75		
			2	110.00	0.45	0.35	34.65		
	Berm Cutting								
			2	130.00	1.00	0.20	52.00		
			2	50.00	1.00	0.25	25.00		
			2	110.00	1.00	0.25	55.00		
	For Culvert		3	6.50	2.00	1.20	46.80		
	RCC Drain		1	50.00	0.90	0.60	27.00		
							297.15	83.16	**24711.00**
	Basic Rate	77.00							
	Area Weightage @8%	6.16							
	Total	**83.16**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2015-16**	Cum							
	For Culvert		3	6.50	1.80	0.15	5.27		
			1	50.00	0.90	0.15	6.75		
							12.02	5070.60	**60923.00**
	Basic Rate	4695.00							
	Area Weightage @ 8%	375.60							
	Total	**5070.60**							
3	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 **Page No. 23 / Item No. 5.6 / PWD SR 2015-16**	Cum							
	Culvert		2x3	6.50	0.60	0.90	21.06		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
							21.06	4135.32	**87090.00**
	Basic Rate	3829.00							
	Area Weightage @ 8%	306.32							
	Total	**4135.32**							
4	KSRB 15.1.1: Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 109 / Item No. 15.1 / PWD SR 2015-16**	Sqm							
	Culvert		2x3	6.50		0.90	35.10		
							35.10	99.36	**3488.00**
	Basic Rate	92.00							
	Area Weightage @ 8%	7.36							
	Total	**99.36**							
5	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6 / PWD SR 2015-16**	Cum							
	Culvert Coping		2x3	6.50	0.60	0.10	2.34		
							2.34	5490.72	**12848.00**
	Basic Rate	5084.00							
	Area Weightage @ 8%	406.72							
	Total	**5490.72**							
6	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls** at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item**	Sqm							
	For Culvert Covering Slab		3	6.50		0.60	11.70		
			2x3	6.50		0.25	9.75		
			2x3	1.80		0.25	2.70		
			3	50.00		0.60	90.00		
			1	50.00		0.60	30.00		
							144.15	306.72	**44214.00**
	Basic Rate	284.00							
	Area Weightage @ 8%	22.72							
	Total	**306.72**							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
7	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **Page No. 13 / Item No. 4.11 / PWD SR 2015-16**	Cum							
	Culvert Covering Slab		3	6.50	1.80	0.23	8.07		
			1	50.00	0.90	0.15	6.75		
			2	50.00	0.15	0.60	9.00		
			1	50.00	0.90	0.10	4.50		
							28.32	6198.12	**175549.00**
	Basic Rate	5739.00							
	Area Weightage @ 8%	459.12							
	Total	**6198.12**							
8	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **TMT Bars FE 500 Page No. 17 / Item No. 4.46.2 / PWD SR 2015-**	Tonne							
			0.075	28.32			2.12		
							2.12	69805.80	**148283.00**
	Basic Rate	64635.00							
	Area Weightage 8%	5170.80							
	Total	**69805.80**							
9	1031 - Hire Charges of J.C.B Excavator including Operator and Fuel **(P. XXXXIV / I. 23) PWD SR 2015-16**	Day							
			64				64		
							64	6720.00	**430080.00**
10	1023 - Hire Charges of Tractor 40 HP including Operator and Fuel **(P. XXXXIV / I. 19) PWD SR 2015-16**	Day							
			1x120				120		
							120	1520.00	**182400.00**

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
11	Engaging Causal Labours (Unskilled mazdoor Heavy) **(PWD SR 2015-16 Item No. 05 / Page No. LII)**	Nos							
			1X10X120				1200		
							1200	244.55	**293460.00**
12	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
			Vide Item No. 1				**297.15**	72.71	**21604.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
13	Sub Total								**1484650.00**
14	For Third Part QC inspection Charges @ 1%								**14847.00**
15	Miscellaneous and other Charges	L/S							**503.00**
								Total	**1500000.00**
	(Rs. Fifteen Lakhs Only)								

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2015-16.
3 This work included under 2015-16 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Junior Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

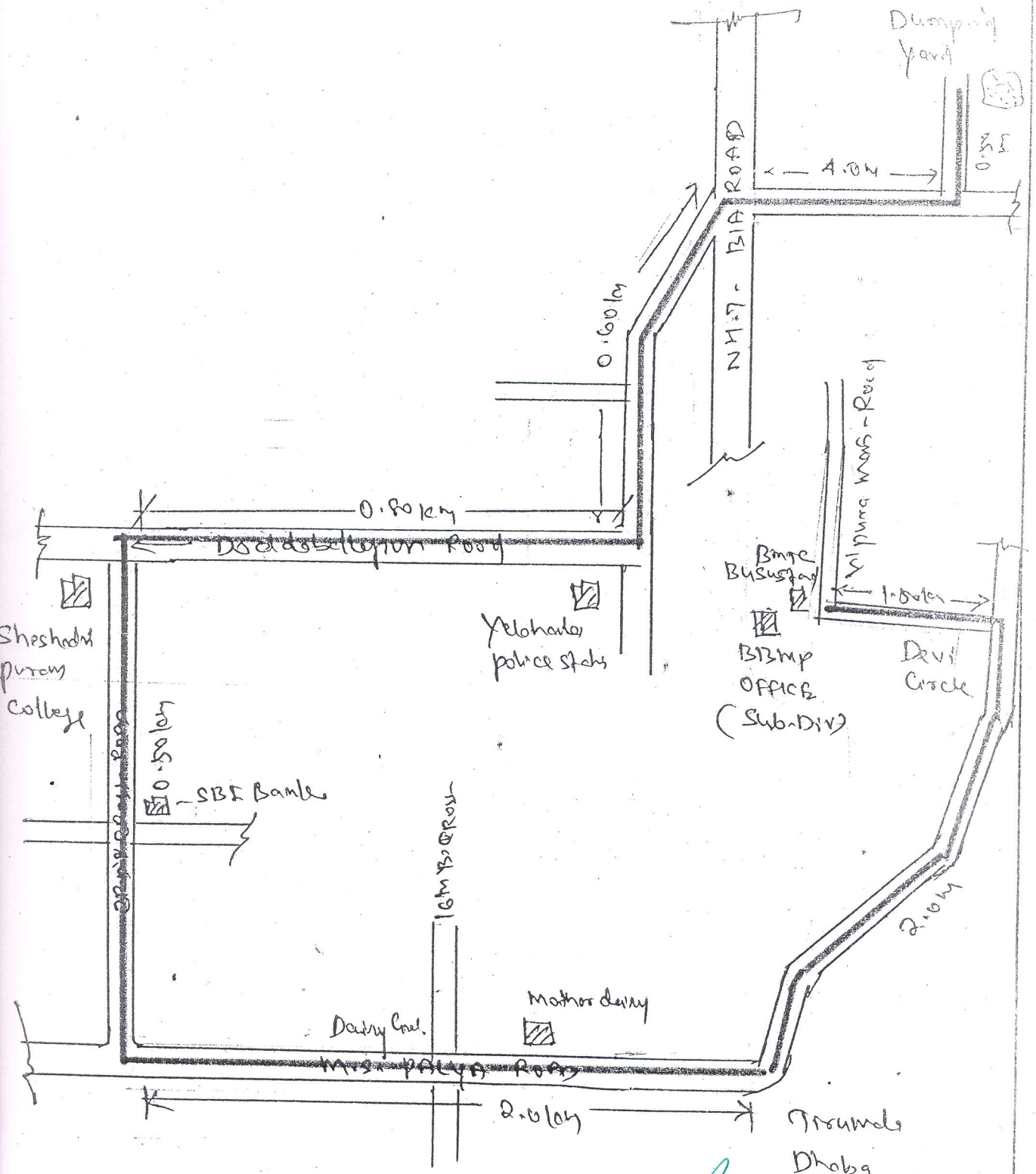
Executive Engineer 15/12/15
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative Approval
Accorded For 15,00,000/-
Head of A/C P-1771
CER NO 59 **Dt.** 14-12-2015

TA CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. 15,00,000/-
Head of A/c. P-1771
Div. Ref. No. 249 Date 14.12.15
AE EE(BTP) 15/12

LOAD CHART FOR DUMPING YARD FOR WARD NO 11



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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BYATARAYANAPURA DIVISION

Lead Statement for Srinivaspura Dumping Yard for Ward No. 11, Vidyaranyapura Sub Division.

Lead Distance

1.	From BBMP Sub Division office to Devi Circle	1.50 Kms
2.	From Devi Circle to Thirumala Daba	2.00 Kms
3.	From Thirumala Daba to 3rd Cross SBI Bank	2.00 Kms
4.	From 3rd Cross SBI Bank to Sheshadripuram College	0.50 Kms
5.	From Shesadripuram College to Police Station	0.80 Kms
6.	From Police Station to Kogilu Cross	0.60 Kms
7.	From Kogilu Cross to Srinivasapura	4.00 Kms
8.	From Srinivasapura to Dumping Yard	0.50 Kms
	Total	**11.90 Kms**

Certificate:

1. Certified that the Srinivasapura Dumping Yard us the approved dumping yard for ward no. 11 BBMP
2. BBMP Sub Division office Vidyaranyapura is taken as the centre place for calculating the lead distance for ward no. 11.
3. The above distance is the shortest distance for calculating the lead.

Junior Engineer
Ward No. 11

Assistant Executive Engineer
Vidyaranyapura Sub Division